

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of the claims in the application:

Claim 1. (Currently Amended) ~~In a~~ A transmission method of transmitting data having a predetermined data length as a unit between devices for transmitting data through a predetermined transmission line by a predetermined format, said transmission method comprising the steps of:

locating label data indicating a system of transmitted audio stream data at a starting portion of said data having said predetermined data length as a unit; and

locating said audio stream data of said system at an interval behind said label data and transmitting resultant data,

wherein said predetermined format is a format complying with a protocol for transmitting data in an isochronous transfer mode through said transmission line and a plurality of data having said predetermined data length as a unit are located at an interval following a header prescribed by said protocol, and

wherein sub-label data is located at an interval following said label data, and data accompanying said audio stream data of said system is located at an interval following said sub-label data in data of a part of a unit of said plurality of data having the predetermined data length as a unit, and said audio stream data of said system is located at an interval following said label data in data of a remaining unit.

Claim 2. (Previously Presented) The transmission method according to claim 1, wherein data accompanying said audio stream data of said system is located at a predetermined interval following said label data and said audio stream data of said system is located at the remaining interval.

Claim 3. (Previously Presented) The transmission method according to claim 2, wherein said located audio stream data is one of one-bit system audio stream data and data resulting from compressing the stream data.

Claim 4. (Canceled)

Claim 5. (Canceled)

Claim 6. (Currently Amended) The transmission method according to claim 5 1, wherein said located audio stream data is one of one-bit system audio stream data and data resulting from compressing the stream data.

Claim 7. (Currently Amended) The transmission method according to claim 5 1, wherein said located audio stream data is audio stream data from a DVD audio system.

Claim 8. (Currently Amended) A transmission method wherein

data having a predetermined data length as a unit is transmitted between devices for transmitting data through a predetermined transmission line by a predetermined format, said transmission method comprising the steps of:

locating label data indicating that said transmitted data is data resulting from compressing digital audio data at a starting portion of said data having the predetermined data length as a unit;

locating sub-label data indicating the compression system at an interval following its label data; and

locating audio stream data compressed by the compression system indicated by said sub-label data at an interval following said sub-label data and transmitting resultant data-;

wherein said predetermined format is a format complying with a protocol for transmitting data in an isochronous transfer mode through said transmission line, and a plurality of said data having said data length as a unit are located at an interval following a header prescribed by said protocol, and

wherein one of a label and a sub-label indicating that the data is ancillary data is located at data of a part of a unit of said plurality of data having said predetermined data length, and data accompanying said audio stream data is located at an interval behind said one of said label or said sub-label indicating that the data is ancillary data.

Claim 9. (Canceled)

Claim 10. (Canceled)

Claim 11. (Currently Amended) A transmission apparatus comprising:

audio data input means for obtaining audio stream data of a predetermined system;

transmission data generating means for dividing data obtained by said audio data input means into data having a predetermined data length, and for obtaining transmission data having a predetermined format by locating label data indicating a system of transmitted data at a starting portion of each divided data; and

transmission means for transmitting said transmission data generated by said transmission data generating means to a predetermined transmission line,

wherein a predetermined format generated by said transmission data generating means is a format complying with a protocol for transmitting data in an isochronous transfer mode through said transmission line, and a plurality of said data having said predetermined data length as a unit are located at an interval following a header prescribed by said protocol, and

wherein a sub-label is located at an interval following said label, and

data accompanying said audio stream data of said system is

located at an interval behind the sub-label in data of a part of a unit of a plurality of data having a predetermined data length as a unit located by said transmission data generating means, and said audio stream data of said system is located at an interval following said label in data of the remaining unit.

Claim 12. (Previously Presented) The transmission apparatus according to claim 11, wherein data accompanying said audio stream data of said system is located at a predetermined interval following said label data, and said audio stream data of said system is located at a remaining interval as said transmission data generated by said transmission data generating means.

Claim 13. (Previously Presented) The transmission apparatus according to claim 12, wherein said audio stream data located in the transmission data generated by said transmission data generating means is one of one-bit system audio stream data and data resulting from compressing the stream data.

Claim 14. (Canceled)

Claim 15. (Canceled)

Claim 16. (Currently Amended) The transmission apparatus according to claim ~~15~~ 11, wherein said audio stream data obtained by said audio data input means and which is located by said

transmission data generating means is one of one-bit system audio stream data and data which results from compressing the stream data.

Claim 17. (Currently Amended) The transmission apparatus according to claim ~~15~~ 11, wherein said audio stream data obtained by said audio data input means and which is located by said transmission data generating means is audio stream data of a DVD audio system.

Claim 18. (Currently Amended) A transmission apparatus comprising:

audio data input means for obtaining data resulting from compressing digital audio data;

transmission data generating means for dividing said data obtained by said audio data input means into data having a predetermined data length, and for obtaining transmission data having a predetermined format by locating label data indicating that the transmitted data is data resulting from compressing digital audio data and sub-label data indicating the compression system at a starting portion of each divided data; and

transmission means for transmitting transmission data generated by said transmission data generating means to a predetermined transmission line.

wherein the predetermined format generated by said transmission data generating means is a format complying with a protocol for transmitting data in an isochronous transfer mode

through said transmission line, and a plurality of data comprising said label data, sub-label data and audio data are located at an interval following a header prescribed by said protocol, and

wherein a label indicating that the data is ancillary data is located at a starting portion, and data accompanying said digital audio data is located at an interval behind label data indicating that the data is the ancillary data in data of a part of a plurality of data located by said transmission data generating means.

Claim 19. (Canceled)

Claim 20. (Canceled)

Claim 21. (Currently Amended) A transmission apparatus comprising:

reception means for receiving data transmitted through a predetermined transmission line;

identification means for setting data received by said reception means to data having a predetermined data length as a unit, and ~~which identifies~~ for identifying label data located at the starting portion of each unit; and

audio data processing means for judging a system of audio stream data located at the interval following said label data based on identified results of said identification means and executing audio data processing based on the judged system-1

wherein said identification means identifies data from said data having said predetermined data length as a unit during an interval following a header prescribed by a protocol in which said data is transferred in an isochronous transfer mode through said transmission line, and

wherein said identification means identifies sub-label data located at an interval following said label data from data of a part of a unit of said data having said predetermined data length as a unit, and detects data accompanying audio stream data from data located at an interval behind the sub-label data if said sub-label data is identified.

Claim 22. (Previously Presented) The transmission apparatus according to claim 21, wherein said identification means identifies data accompanying said audio stream data located at a predetermined interval following said label data.

Claim 23. (Previously Presented) The transmission apparatus according to claim 22, wherein it is judged based on the identified results of said identification means that received audio stream data is one of one-bit system audio stream data or and data which results from compressing the stream data.

Claim 24. (Canceled)

Claim 25. (Canceled)



Claim 26. (Currently Amended) The transmission apparatus according to claim 25 21, wherein said identification means identifies based one of said label data and said sub-label data that one of one-bit system audio stream data and data which results from compressing the stream data is received.

Claim 27. (Currently Amended) The transmission apparatus according to claim 25 21, wherein said identification means identifies based on one of said label data ~~or~~ and said sub-label data that audio stream data of a DVD audio system is received.

Claim 28. (Canceled)

Claim 29. (Currently Amended) A transmission system for transmitting data having a predetermined data length as a unit between a first device and a second device through a predetermined transmission line using a predetermined format, and transmission system comprising:

audio data input means for obtaining audio stream data of a predetermined system;

transmission data generating means for dividing said data obtained by said audio data input means into data having a predetermined data length, and for obtaining transmission data of a predetermined format by locating label data indicating a system of transmitted data at a starting portion of each divided data; and

transmission means for transmitting transmission data

generated by said transmission data generating means to said transmission line from said first device; and

receiving means for receiving data transmitted through said transmission line;

identification means for setting the data received by said receiving means to data having a predetermined data length as a unit, and for identifying label data located at a starting portion of said unit; and

audio data processing means for identifying a system of audio stream data located at an interval following said label data based on identified results of said identification means, and for executing audio data processing based on the judged system ~~as~~ by said second device.

wherein said identification means identifies sub-label data located at an interval following said label data from data of a part of a unit of said data having said predetermined data length as a unit, and detects data accompanying audio stream data from data located at an interval behind the sub-label data if said sub-label data is identified.

Claim 30. (Canceled)